

Message

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**From:** Shams, Dahnish [Shams.Dahnish@epa.gov]  
**Sent:** 11/2/2021 7:52:11 PM  
**To:** Schlosser, Paul [Schlosser.Paul@epa.gov]; Thayer, Kris [thayer.kris@epa.gov]  
**CC:** White, Paul [White.Paul@epa.gov]; Kapraun, Dustin [Kapraun.Dustin@epa.gov]; Morozov, Viktor [Morozov.Viktor@epa.gov]  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

I can cancel if everyone is in agreement. I'll respond back to Hassan that he can finalize the report and deliver it to us.

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

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**From:** Schlosser, Paul <Schlosser.Paul@epa.gov>  
**Sent:** Tuesday, November 2, 2021 3:43 PM  
**To:** Shams, Dahnish <Shams.Dahnish@epa.gov>; Thayer, Kris <thayer.kris@epa.gov>  
**Cc:** White, Paul <White.Paul@epa.gov>; Kapraun, Dustin <Kapraun.Dustin@epa.gov>; Morozov, Viktor <Morozov.Viktor@epa.gov>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

I don't think there's anything in the report that needs further clarification from the reviewers. I can call in at 4 but would prefer to keep it short!

-Paul

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**From:** Shams, Dahnish <Shams.Dahnish@epa.gov>  
**Sent:** Tuesday, November 2, 2021 2:37 PM  
**To:** Thayer, Kris <thayer.kris@epa.gov>  
**Cc:** White, Paul <White.Paul@epa.gov>; Kapraun, Dustin <Kapraun.Dustin@epa.gov>; Schlosser, Paul <Schlosser.Paul@epa.gov>; Morozov, Viktor <Morozov.Viktor@epa.gov>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

I added the clearance path as a topic for the SAD meeting with Samantha.

I think the only issue we need to discuss today is whether we are satisfied with the report or if we need to have Versar follow up on anything.

If not, I'll have Versar finalize the report and close out the peer review/task order.

- Dahnish

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---

**From:** Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>  
**Sent:** Tuesday, November 2, 2021 1:50 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Cc:** White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>; Schlosser, Paul <[Schlosser.Paul@epa.gov](mailto:Schlosser.Paul@epa.gov)>; Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

I have a conflict for the check in. Is there anything specifically you need from me?

I think we are expecting comments from OGC/OMS on Thursday, then we want to whip this around ASAP for IOAA

Can you check with Ashlie on how to engage Samantha and CPHEA IO? Does she want to see it before IOAA, concurrent with all of IOAA, or concurrent with a slice of IOAA (e.g., Emma). Do we know if Tim wants to review before IOAA? Or all concurrent?

We are getting close to due date..

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**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Tuesday, November 2, 2021 11:29 AM  
**To:** Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>  
**Cc:** White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>; Schlosser, Paul <[Schlosser.Paul@epa.gov](mailto:Schlosser.Paul@epa.gov)>; Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Kris – The edits are transferred over. I know we have a check-in this afternoon briefly. I'm hoping we can discuss finalizing the peer review and next steps just briefly.

- Dahnish

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---

**From:** Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>  
**Sent:** Tuesday, November 2, 2021 9:01 AM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Cc:** White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>; Schlosser, Paul <[Schlosser.Paul@epa.gov](mailto:Schlosser.Paul@epa.gov)>; Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish – if not done already, do you mind transferring the edits in the email chain to the document?

---

**From:** Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Sent:** Tuesday, November 2, 2021 8:17 AM  
**To:** Schlosser, Paul <[Schlosser.Paul@epa.gov](mailto:Schlosser.Paul@epa.gov)>; Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>; Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>  
**Cc:** White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Also, I think maybe “specicity” is supposed to be “specificity”.

Best,  
Dustin

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**From:** Schlosser, Paul <[Schlosser.Paul@epa.gov](mailto:Schlosser.Paul@epa.gov)>  
**Sent:** Tuesday, November 2, 2021 8:01 AM  
**To:** Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>; Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>; Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>  
**Cc:** White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Poking at that a bit (see below):

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**From:** Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>  
**Sent:** Tuesday, November 2, 2021 5:21 AM  
**To:** Schlosser, Paul <[Schlosser.Paul@epa.gov](mailto:Schlosser.Paul@epa.gov)>; Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>; Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>  
**Cc:** White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

## Ex. 5 Deliberative Process (DP)

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**From:** Schlosser, Paul <[Schlosser.Paul@epa.gov](mailto:Schlosser.Paul@epa.gov)>  
**Sent:** Monday, November 1, 2021 5:08 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>; Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>; Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>

**Cc:** White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>

**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,

# Ex. 5 Deliberative Process (DP)

-Paul

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>

**Sent:** Friday, October 29, 2021 12:32 PM

**To:** Schlosser, Paul <[Schlosser.Paul@epa.gov](mailto:Schlosser.Paul@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>; Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>; Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>

**Cc:** White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>

**Subject:** FW: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hi all – Dr. Smith provided his comments earlier this week. Do you all mind taking a quick look/read through of his comments before our meeting on Tuesday?

Also – Versar updated the table/matrix of comments.

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>

**Sent:** Tuesday, October 26, 2021 8:22 PM

**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>

**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,

Attached is the updated draft report and comment matrix. Let us know if you have any questions or comments as we get closer to the final report.

**Hassan Husain**

Senior Program Manager  
Environmental Services Group



[hhusain@versar.com](mailto:hhusain@versar.com)

Direct Office: 240-252-2304

Mobile: 240-499-4302

[www.versar.com](http://www.versar.com)

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Tuesday, October 26, 2021 2:08 PM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Ok thanks Hassan! Appreciate the quick response.

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Tuesday, October 26, 2021 1:59 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,  
We got Dr. Smith's comments yesterday afternoon. We have incorporated the comments and are finalizing the report and matrix to send over to you. Should be there later today.

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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Mobile: 240-499-4302

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---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Tuesday, October 26, 2021 1:54 PM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hassan – Hope all is well. Quick question: do you have any updates on the final reviewers comments (Dr. Smith?)?

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)

Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Thursday, September 30, 2021 11:58 AM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,  
Are you looking for reviewer attribution? There is a specific section at the back end that has each reviewers comments organized together, we could certainly put this in a table if that helps. Give me a call when you get a chance, happy to discuss further.

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



[hhusain@versar.com](mailto:hhusain@versar.com)  
Direct Office: 240-252-2304  
Mobile: 240-499-4302  
[www.versar.com](http://www.versar.com)

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Wednesday, September 29, 2021 2:40 PM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hassan – Quick question: Is it possible to create a table at the front of the document that indicates which reviewers responded to each question? This would help us to review the document?

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
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---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Tuesday, September 21, 2021 9:03 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,  
Draft report attached here. Let me know if you have any questions or need anything clarified. We will add in Dr. Smith's responses to this same report when we wrap that up

**Hassan Husain**  
Senior Program Manager

Environmental Services Group



[hhusain@versar.com](mailto:hhusain@versar.com)

Direct Office: 240-252-2304

Mobile: 240-499-4302

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---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Tuesday, September 21, 2021 10:16 AM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

OK great! Thanks Hassan. We do need his comments by late October to make sure we have the final report in hand before responding to the RFC.

- Dahnish

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---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Tuesday, September 21, 2021 10:10 AM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,  
Will do, I can get that report into you today.  
We'll also go ahead and get Dr. Smith initiated with the delivery date end of October.

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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Mobile: 240-499-4302

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**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Tuesday, September 21, 2021 9:44 AM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hi Hassan – Can we get the draft report without Dr. Smith's comments? We believe it might be too late for the RFC, but we would like his comments even if they come by late October.

- Dahnish

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**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Monday, September 20, 2021 4:36 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Yes we have responses from everyone else  
I'll keep a lookout for your response re: Dr. Smith

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Monday, September 20, 2021 4:31 PM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hi Hassan – See my responses in red below.

- Dahnish

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Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
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**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Monday, September 20, 2021 4:23 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish.

# Ex. 5 Deliberative Process (DP)



# Ex. 5 Deliberative Process (DP)

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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Direct Office: 240-252-2304  
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**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Monday, September 20, 2021 4:17 PM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hassan – What was the deadline for comments to be received from the reviewers?

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Wednesday, September 15, 2021 1:04 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,  
I can talk after 3:30, I'll send you a Teams invite

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



[hhusain@versar.com](mailto:hhusain@versar.com)  
Direct Office: 240-252-2304  
Mobile: 240-499-4302  
[www.versar.com](http://www.versar.com)

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**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 11:47 AM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hi Hassan – Can you talk at 2:30 PM ET today or after 3:30 PM ET?

- Dahnish

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Center for Public Health and Environmental Assessment (CPHEA)  
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---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Tuesday, September 14, 2021 5:34 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,  
Quick update on the candidates:

## Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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Mobile: 240-499-4302  
[www.versar.com](http://www.versar.com)

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>

**Sent:** Tuesday, September 14, 2021 10:25 AM

**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>

**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen,

Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>

**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

# Ex. 5 Deliberative Process (DP)

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

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**From:** Shams, Dahnish

**Sent:** Thursday, September 9, 2021 11:56 AM

**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>

**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>

**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Thanks Hassan! Let me huddle with the team.

- Dahnish

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Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>

**Sent:** Thursday, September 9, 2021 11:05 AM

**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>

**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>

**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,  
See below:

# **Ex. 5 Deliberative Process (DP)**

# **Ex. 5 Deliberative Process (DP)**

## Ex. 5 Deliberative Process (DP)

### Hassan Husain

Senior Program Manager  
Environmental Services Group



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Direct Office: 240-252-2304  
Mobile: 240-499-4302  
[www.versar.com](http://www.versar.com)

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**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>

**Sent:** Wednesday, September 8, 2021 12:02 PM

**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>

**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>

**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hassan – Do you have any background information on the individuals below? Particularly, the pharma folks. Given that Yan and Ashton have declined, there is no need to provide information on them.

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

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**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>

**Sent:** Tuesday, September 7, 2021 4:04 PM

**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>

**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>

**Subject:** In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Good afternoon Dahnish and Dustin,

## Ex. 5 Deliberative Process (DP)

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## Ex. 5 Deliberative Process (DP)

**Hassan Husain**  
Senior Program Manager  
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